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Amendment dated 06/07/2004 Reply to office action mailed 04/05/2004

The following is a complete listing of all claims in the application, with an indication of the status of each:

Listing of claims:

1 1. (currently amended) A method of encryption of a data file transmitted to a
2 decoder, said method comprising steps of
3 defining a write order of data blocks of said data file to non-sequential
4 storage locations of a mass memory,
5 storing said data blocks in said mass memory in accordance with said
6 write order and updating a table having a plurality of entries corresponding to
7 a plurality of said non-sequential storage locations, said table being located
8 independently of said data file,
9 encrypting the table with a key unique to the decoder, forming an
10 encrypted table, and
11 storing said encrypted table to said mass memory.

1 2. (original) A method as recited in claim 1 wherein said mass memory is a
2 hard disk drive.

1 3. (original) A method as recited in claim 1 wherein said mass memory is a
2 compact disk recorder/player.

1 4. (previously presented) A method as recited in claim 1, wherein said
2 updating in said table is performed in accordance with a second key.

1 5. (previously presented) A method as recited in claim 4, wherein said
2 encrypting step is performed in accordance with a third key.

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- 1 6. (previously presented) A method as recited in claim 4, wherein said key
2 and said second keys are identical.
- 1 7. (original) A method as recited in claim 5, wherein said second and third
2 keys are identical.
- 1 8. (previously presented) A method as recited in claim 5, wherein said key
2 and said third keys are identical.
- 1 9. (previously presented) A method as recited in claim 1, including the
2 further steps of
3 loading a portion of said data file, as blocks of data, into a memory
4 queue,
5 setting a counter in accordance with a number of blocks in said
6 memory queue, and
7 performing said step of defining a write order in accordance with said
8 counter.
- 1 10. (original) A method as recited in claim 1, wherein said data file contains
2 audio and video data, said method including the further step of
3 separating audio and video into respective data blocks.
- 1 11. (previously presented) A method as recited in claim 1, wherein said data
2 blocks include headers, said method including the further step of
3 including said write order in said header.
- 1 12. (original) A method as recited in claim 1, including a further step of

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2 transmitting encryption software for performing said encryption of said
3 data file to said decoder.

1 13. (original) A method as recited in claim 12, wherein said encryption
2 software includes said first key.

1 14. (currently amended) A decoder for receiving a digital transmission of a
2 data file including
3 means for defining a write order of data blocks of said data file to non-
4 sequential storage locations of a mass memory,
5 means for storing said data blocks in memory in accordance with said
6 write order and updating a table having a plurality of entries corresponding to
7 a plurality of said non-sequential storage locations, said table being located
8 independently of said data file,
9 means for encrypting the table with a key unique to the decoder,
10 forming an encrypted table, and
11 means for storing said encrypted table to said mass memory.

1 15. (previously presented) A decoder as recited in claim 14, wherein said
2 means for storing said data utilizes a second key and said means for
3 encrypting the table utilizes a third key.

1 16. (original) A decoder as recited in claim 15, wherein two of said first,
2 second and third keys are identical.

1 17. (previously presented) A decoder as recited in claim 14, further including
2 means for loading a portion of said data file, as blocks of data, into a
3 memory queue, and

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4 means for setting a counter in accordance with a number of blocks in
5 said memory queue
6 wherein said means for defining a write order is responsive to said
7 counter.

1 18. (previously presented) A decoder as recited in claim 14, wherein one of
2 said key, said second key and said third key is not shared with any other
3 device.

1 19. (original) A decoder as recited in claim 14, further including
2 means for receiving encryption software for encrypting said data file.

1 20. (original) A decoder as recited in claim 14, further including a port to an
2 outboard mass storage device.

1 21. (previously presented) A method as recited in claim 1, wherein said table
2 and said encrypted table are a file allocation table and an encrypted file
3 allocation table, respectively.

1 22. (previously presented) A method as recited in claim 1, wherein said
2 defining step is performed in accordance with a first key and allocates
3 corresponding sectors of said mass memory.

1 23. (previously presented) A decoder as recited in claim 14, wherein said
2 table and said encrypted table are a file allocation table and an encrypted file
3 allocation table, respectively.

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1 24. (previously presented) A decoder as recited in claim 14, wherein said
2 means for defining a write order is performed in accordance with a first key
3 and includes means for allocating corresponding sectors of said mass memory.

1 25. (currently amended) A method of protecting streaming data stored in a
2 storage device by a decoder, the method comprising steps of:
3 writing streaming data in data blocks in a memory,
4 scrambling the write order of the data blocks containing streaming data
5 when storing the data blocks containing the streaming data in the storage
6 device,
7 creating a table describing the scrambling order of the data blocks of
8 streaming data in the storage device, there being a plurality of entries in said
9 table corresponding to a plurality of said data blocks, said table being located
10 independently of said streaming data, and
11 encrypting the table with a key unique to the decoder and storing the
12 encrypted table in the storage device.

1 26. (previously presented) A method as recited in claim 25, wherein said
2 memory is a random access memory.

1 27. (previously presented) A method as recited in claim 25, wherein said
2 table is a file allocation table.